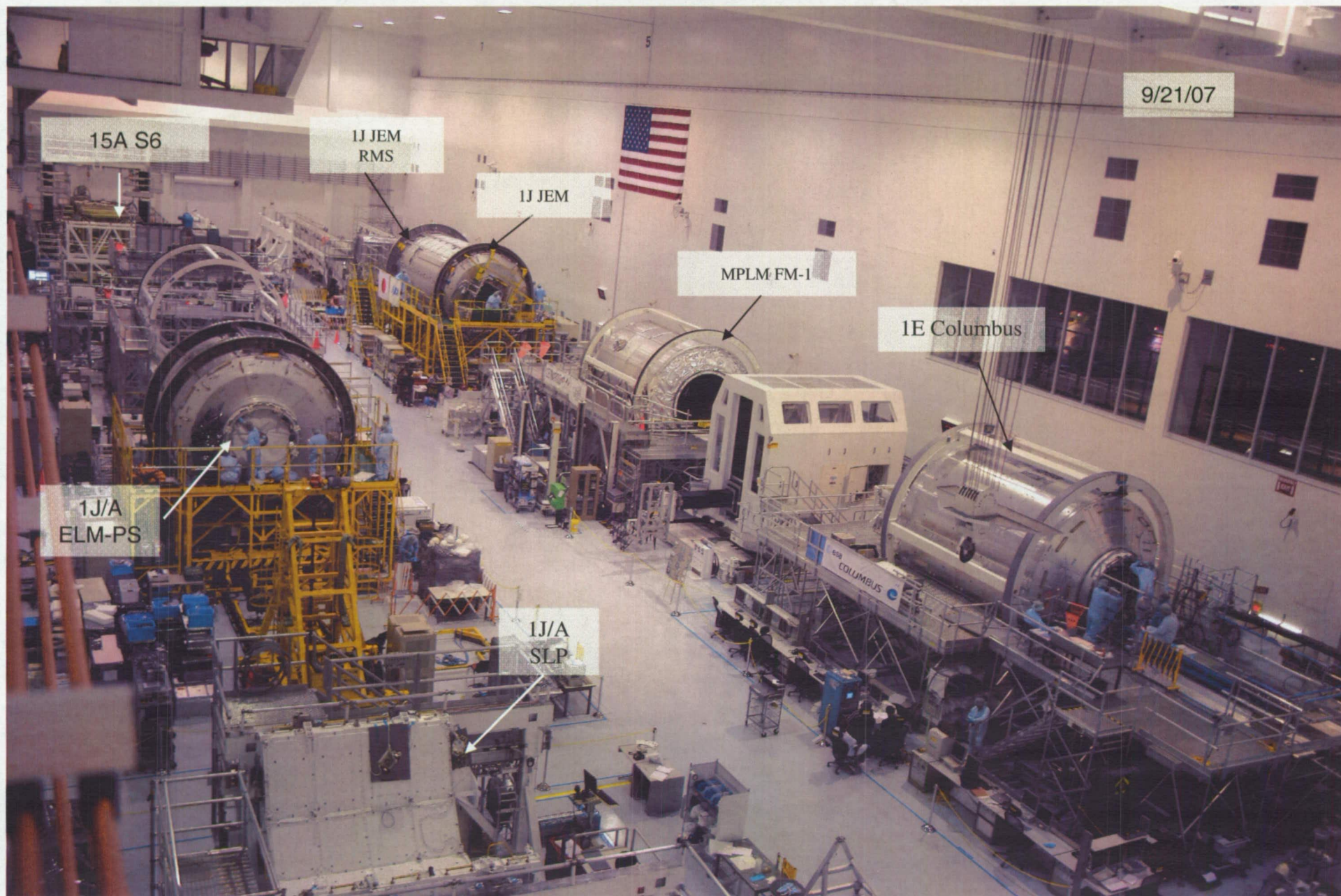




ISS/STS Ground Status @ KSC

Paul Kirkpatrick
NASA/KSC Safety



9/21/07

15A S6

1J JEM
RMS

1J JEM

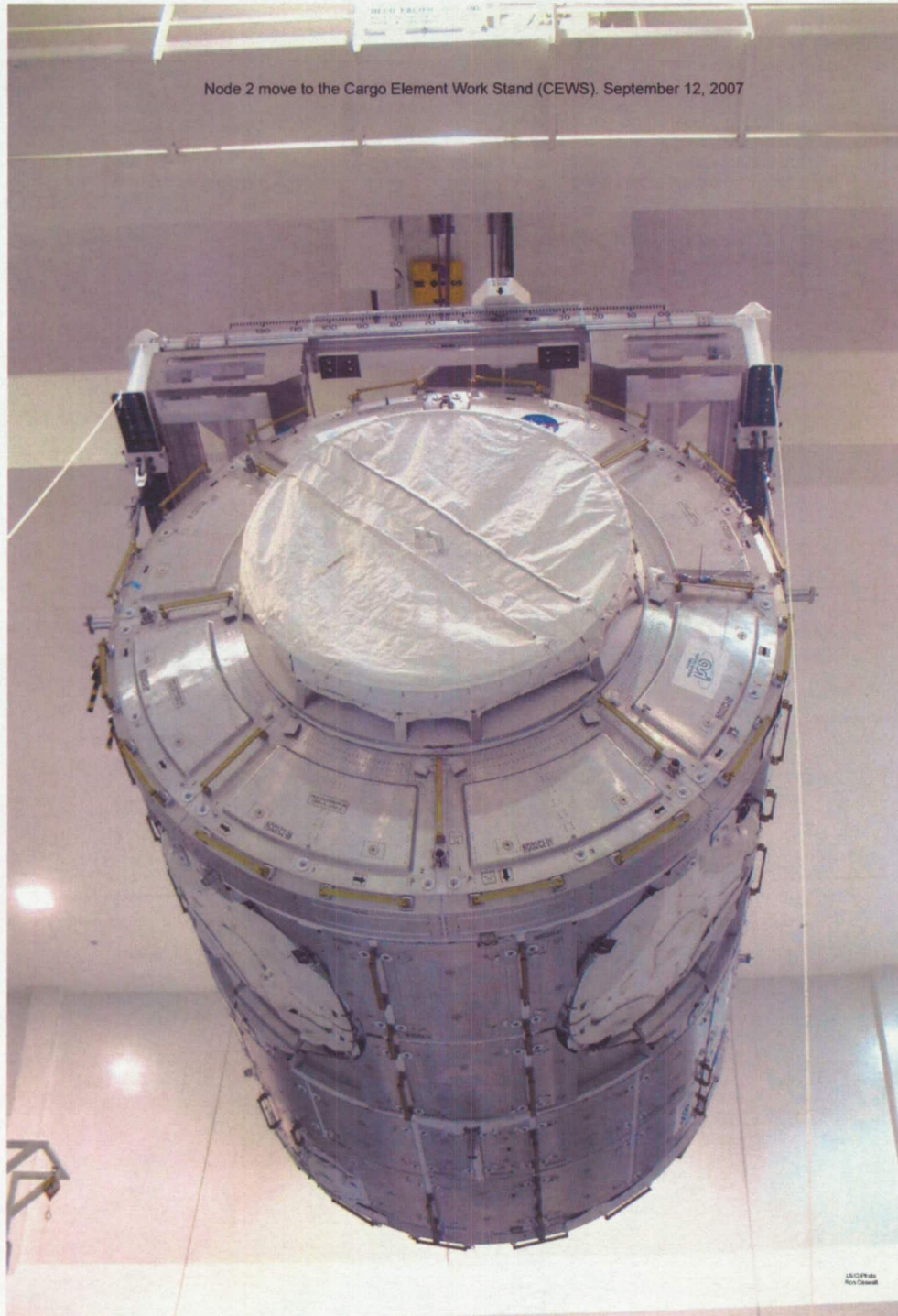
MPLM FM-1

1E Columbus

1J/A
ELM-PS

1J/A
SLP

Node 2 move to the Cargo Element Work Stand (CEWS). September 12, 2007

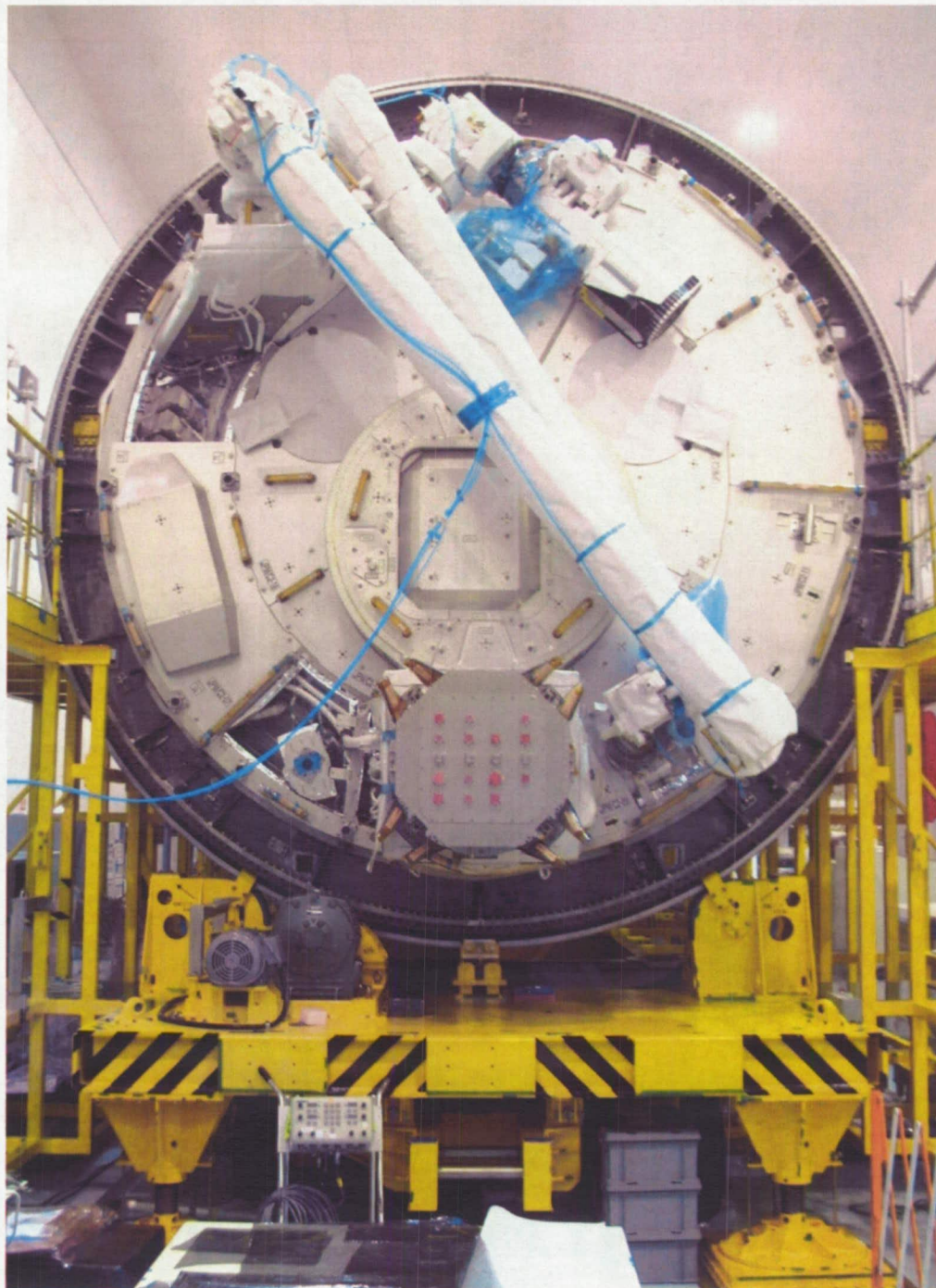


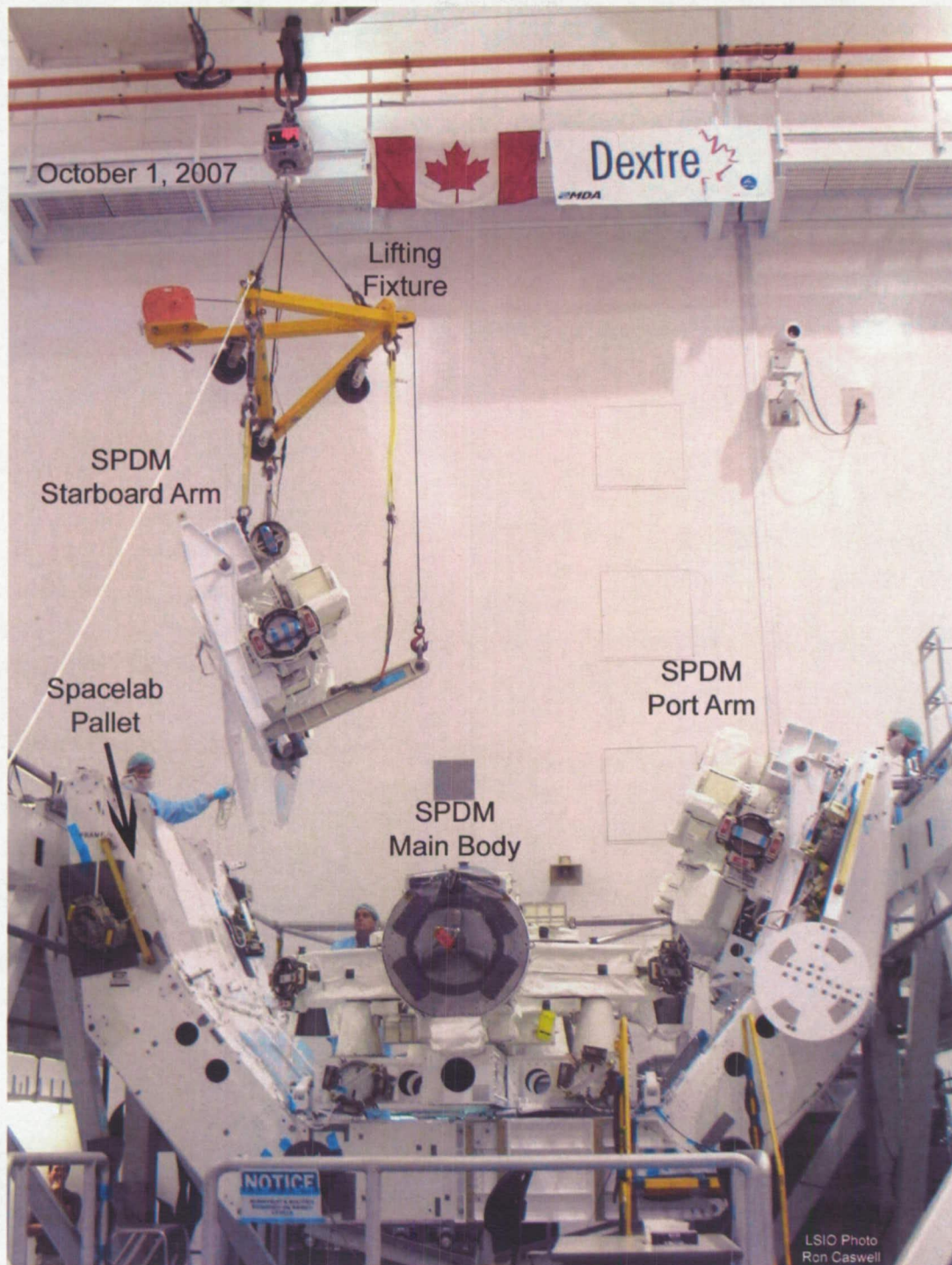
ELM-PS PCBM leak check September 12, 2007

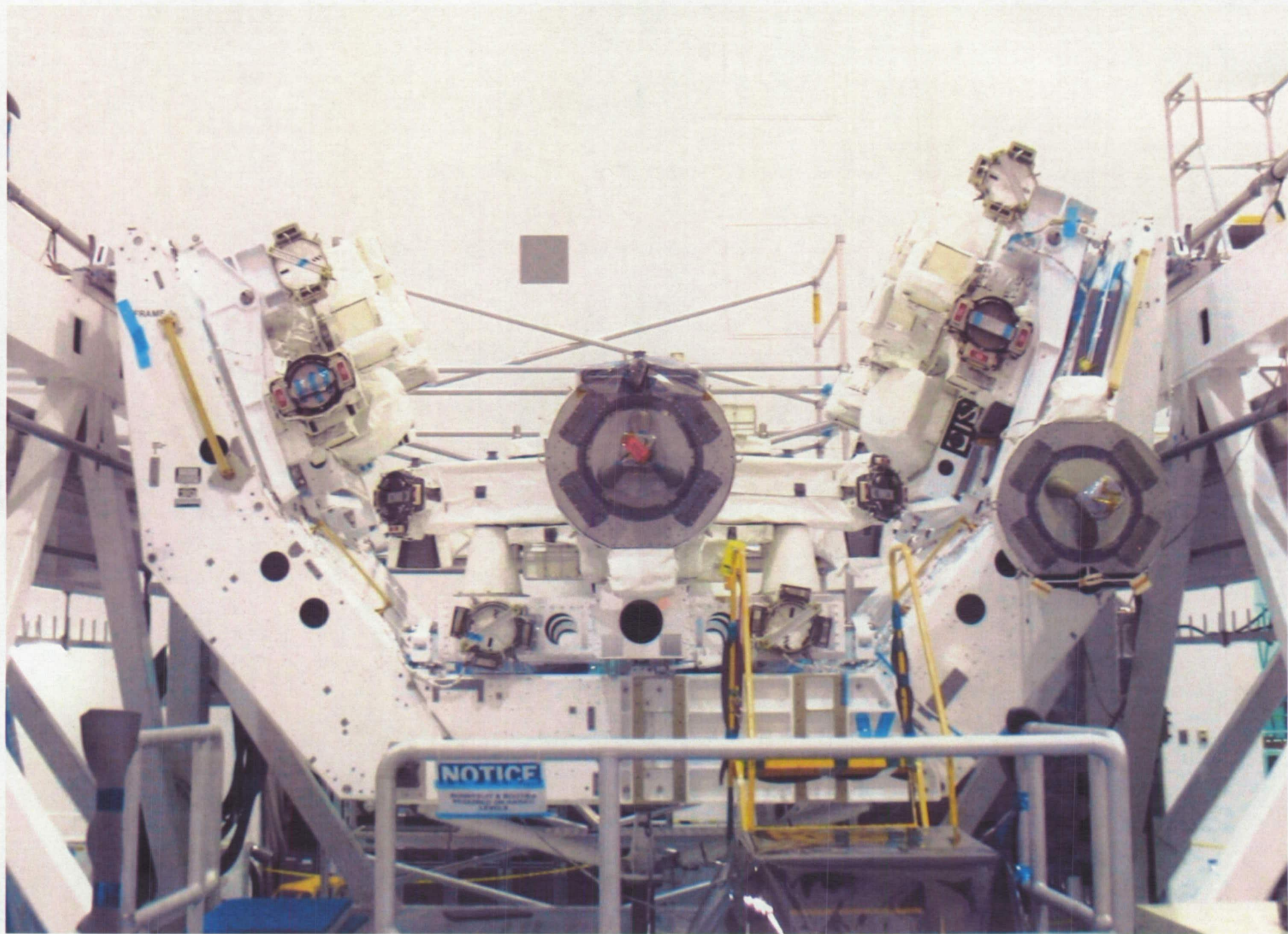


Node 2

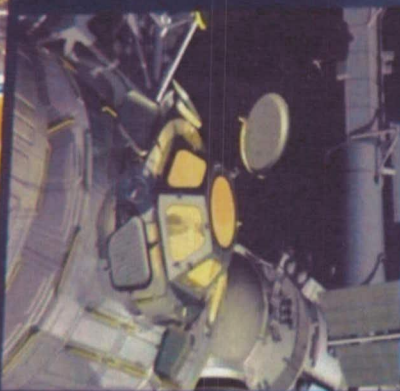
LSIO Photo
Ron Caswell







Cupola - ISS windows on the universe



Bound for the International Space Station early in 2009, the Cupola module was delivered to the Space Station Processing Facility at Kennedy Space Center, Florida. It was shipped from Alenia Spazio in Turin, Italy, by the European Space Agency.

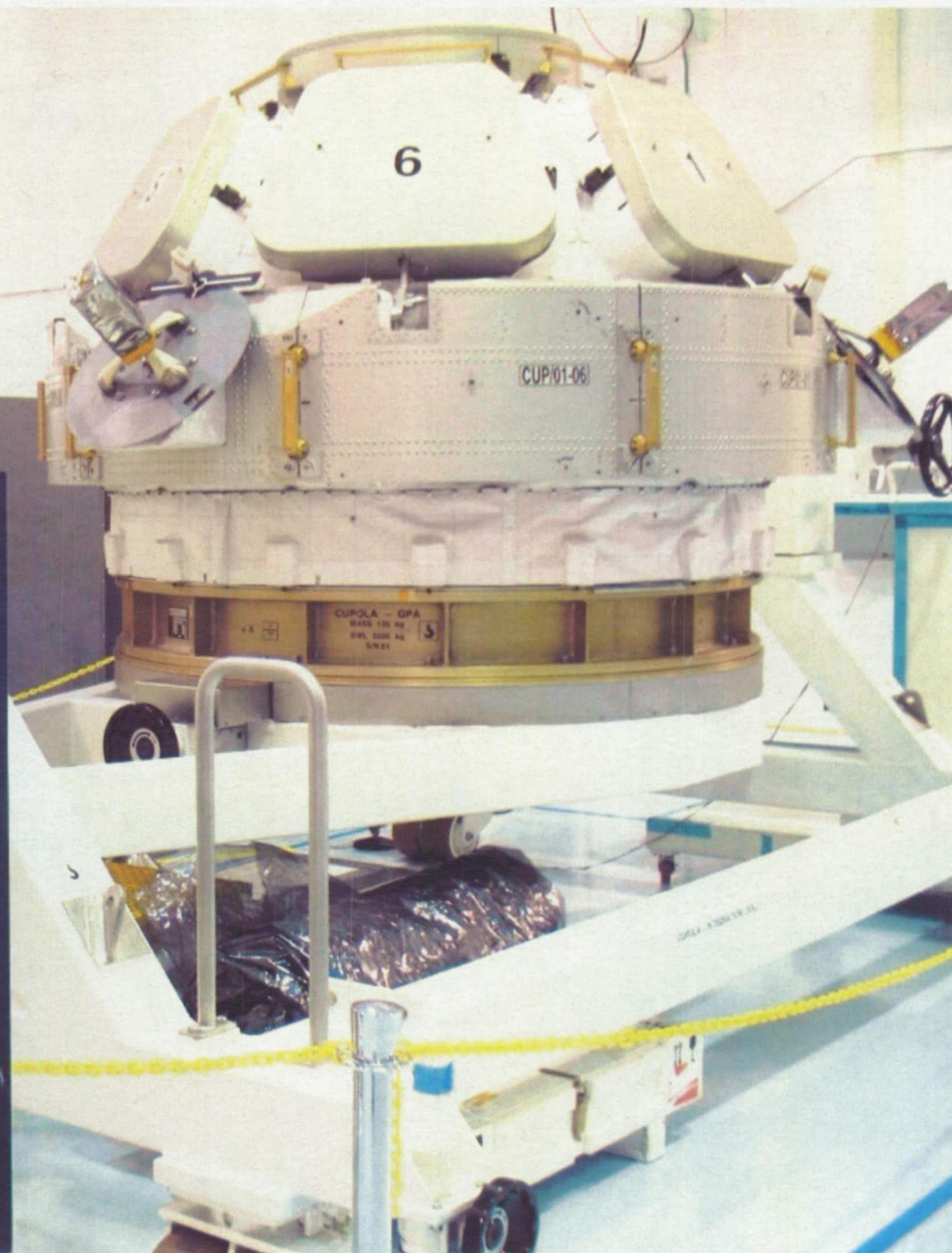
Image Left: Cupola is a pressurized Space Station Element with seven windows. The windows have covers for protection from space debris.

Cupola will provide unprecedented views of activities outside the Station and spectacular views of the Earth. Cupola has the capability for command and control workstations to be installed to assist in Space Station Remote Manipulator System (SSRMS) and Extra Vehicular Activities (EVA).

Cupola is designed to be mated to the Forward Port of Node 3. The Robotic Workstation (RWS) used to control the SSRMS will be installed inside the Cupola.

Image Right: Crew members of the ISS will have a 360-degree panorama thanks to the addition of this module. Cupola is the final element of the Space Station core.

KSC and the ESA have conducted joint inspections leading to the turnover of the Cupola to NASA. After some testing and window inspections, the Cupola will be put back in its transportation container and stored at KSC until it is needed for launch processing and preparation.

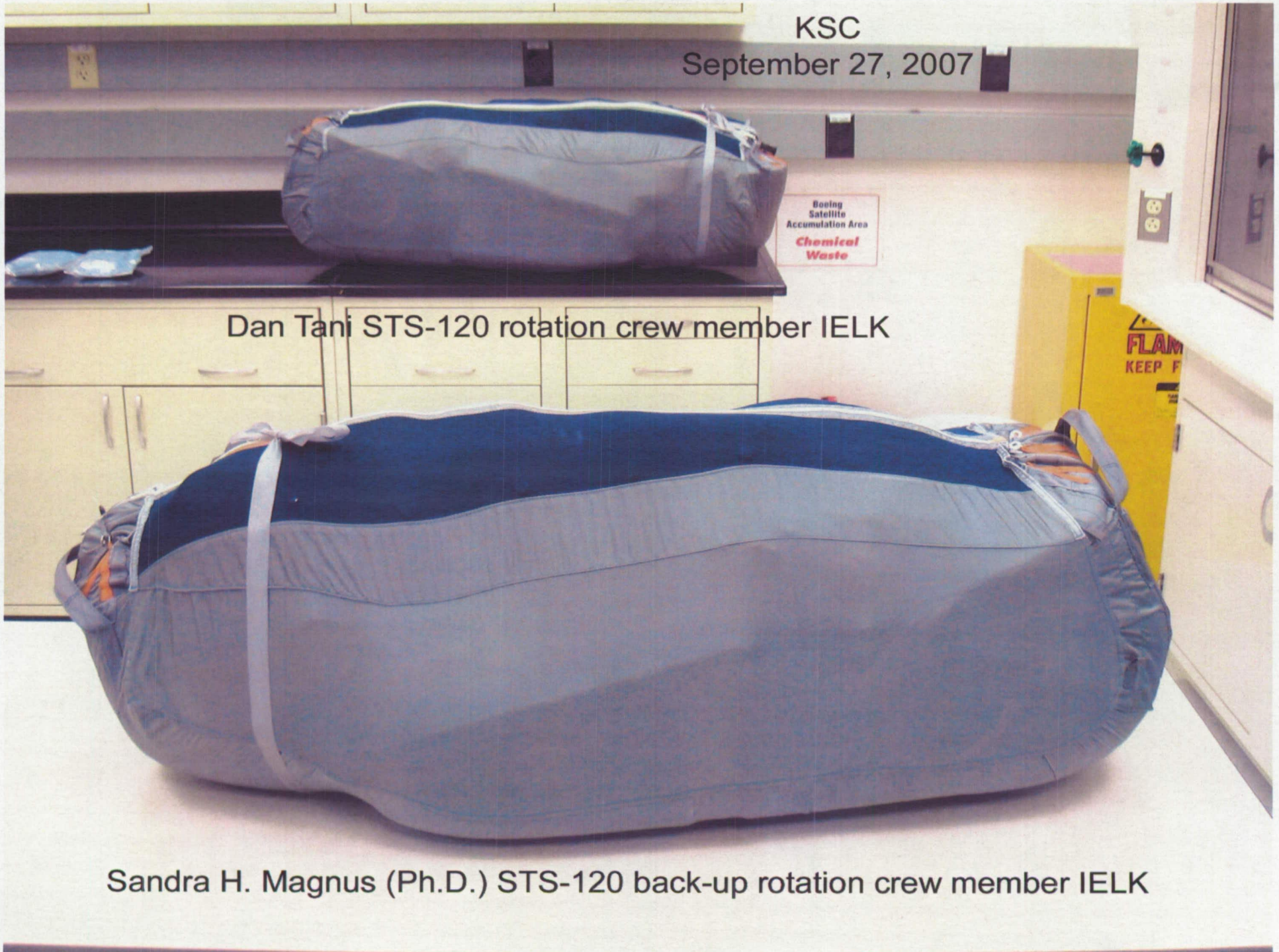


KSC

September 27, 2007

Dan Tani STS-120 rotation crew member IELK

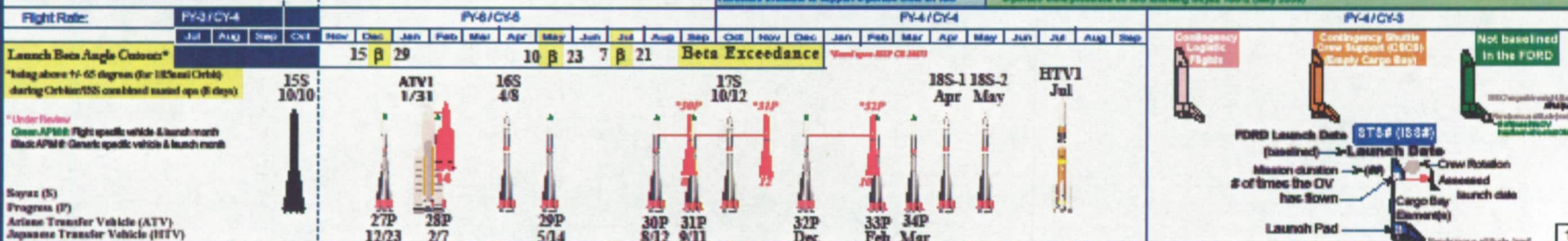
Sandra H. Magnus (Ph.D.) STS-120 back-up rotation crew member IELK





NARA Official: John Caggshall
Prepared by: LSW/DC/Brian K. Gilman
Chart updated: 22-October-2007

105
Endeavour



KSC Flight Hardware Quicklook/STS Mainline Facilities

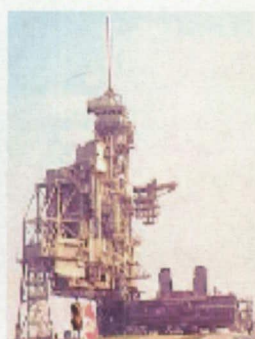
NASA: C. Ford, PH-D
USA: R. Gillette, MFM
Contact: S. Wierszalowski, USA 1-8701
0800 EDT, 25 OCTOBER, 2007

Launch Pad 39-B



MLP-3
(Move to VAB HB-3
12/18/07)

Launch Pad 39-A



MLP-2
(Move to VAB HB-1
11-02-07)

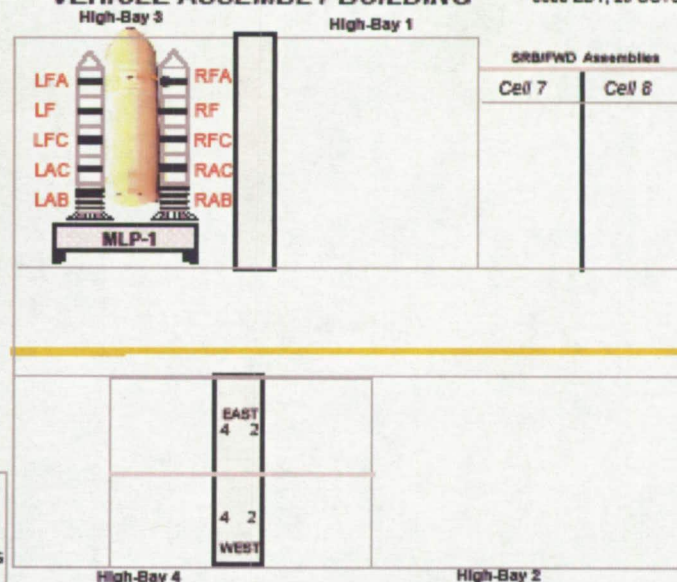


Refurb/Parksite (East)



Refurb/Parksite (West)

VEHICLE ASSEMBLY BUILDING

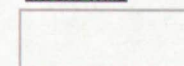


Crawler Transporter



CT#2
AT
MOBILE SERVICE
STRUCTURE PARKSITE

JAY JAY YARD



Legend

- STS-120/OV-103 FH HW
ET-120/ MLP-2 / VAB HB1 / PAD A
RSRM 99-SRB BI-131
- STS-122/OV-104 FH HW
ET-122/ MLP-1 / VAB HB3 / PAD A
RSRM 99-SRB BI-132
- STS-123/OV-105 FH HW
ET-123 / MLP-2 / VAB HB-1 / PAD A
RSRM 101-SRB BI-133

Relcars

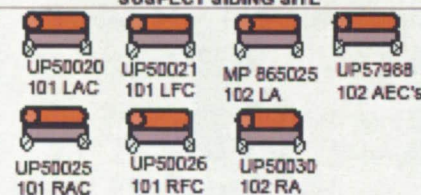
STS Assignments

- OV-103/STS-120: Discovery - OPF-3
- OV-104/STS-122: Atlantis - OPF-1
- OV-105/STS-123: Endeavor - OPF-2

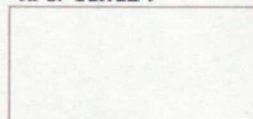
LMF



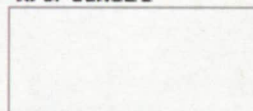
SUSPECT SIDING SITE



RP&F SURGE 1



RP&F SURGE 2

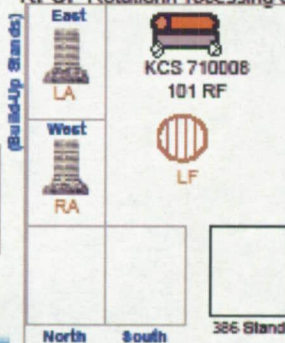


MDD / SLE

STS-120 KSC Landing
11-06-07 (0447 EST)

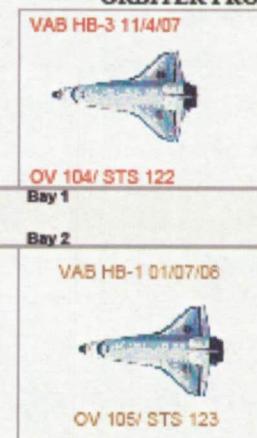


RP&F Rotation/Processing Surge Facility

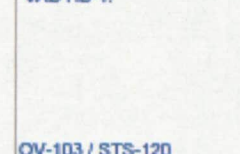


(Inspection Stands)

ORBITER PROCESSING FACILITIES



VAB HB-1:



OV-103 / STS-120
Bay 3

HMF

OV ASSIGNMENT/LOCATION

103	RP03	LP01	FRC3
104	RP01	LP04	FRC4
105	RP04	LP03	FRC5

Test Cell Installed Storage/E



Space Shuttle Status



- Atlantis (OV-104)
 - OPF High Bay 1
 - Last Mission – STS-117/ISS 13A (S3/S4)
 - Next Mission – STS-122/ISS-1E (Columbus)
 - Columbus to Pad – 11/9/07
 - Atlantis to VAB – 11/4/07
 - Atlantis to Pad – 11/11/07
 - Launch – 12/6/07



Space Shuttle Status



- Discovery (OV-103)
 - On-Orbit
 - Last Mission – STS-116/ISS 12A (P5/Spacehab)
 - Current Mission – STS-120/ISS 10A (Node 2)
- Endeavor (OV-105)
 - OPF High Bay 2
 - Last Mission – STS-118/ISS 13A.1 (S5/Spacehab)
 - Next Mission – STS-123/ISS 1 J/A (2/14/08)